

#2
JDS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Raghavan, Sreen; Sallaway, Peter J.
Assignee: National Semiconductor Corporation
Title: Detector For A Gigabit Ethernet Receiver
Serial No.: 09/560,109 Filing Date: April 28, 2000
Examiner: Unknown Group Art Unit: 2734
Docket No.: M-5628 US

San Jose, California
January 8, 2002

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97(b)**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying form PTO-1449 are called to the attention of the Examiner for the above patent application. Copies of these documents are enclosed.

Citation of these documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;

2. a representation that a search has been made; or

LAW OFFICES OF
SKJERVEN MORRILL
MacPHERSON LLP
25 METRO DRIVE
SUITE 700
SAN JOSE, CA 95110
(408) 453-9200
FAX (408) 453-7979

3. an admission that the information cited herein is, or is considered to be,
material to patentability as defined in § 1.56(b).

EXPRESS MAIL LABEL NO:

EL 927 816 361 US

Respectfully submitted,



Gary J. Edwards
Attorney for Applicants
Reg. No. 41,008

LAW OFFICES OF
SKJERVEN MORRILL
MacPHERSON LLP

25 METRO DRIVE
SUITE 700
SAN JOSE, CA 95110
(408) 453-9200
FAX (408) 453-7979

| | | |
|--|-----------------|-------------------------------------|
| U.S. Department of Commerce, Patent and Trademark Office | Atty Docket No. | Serial No. |
| | M-5628 US | 09/560,109 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Applicant(s) |
| (Use several sheets if necessary) | | Raghavan, Sreen; Sallaway, Peter J. |
| Filing Date | | Group |
| April 28, 2000 | | 2734 |

U.S. Patent Documents

| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|----|-----------------|------------|-----------------|-------|----------|----------------------------|
| | AA | 4,456,893 | 6/26/1984 | Otani | 333 | 18 | |
| | AB | 4,701,936 | 10/20/1987 | Clark et al. | 375 | 14 | |
| | AC | 4,888,560 | 12/19/1989 | Ogura | 330 | 254 | |
| | AD | 4,974,185 | 11/27/1990 | Ohno et al. | 364 | 724.13 | |
| | AE | 5,031,194 | 7/9/1991 | Crespo et al. | 375 | 14 | |
| | AF | 5,119,196 | 6/2/1992 | Ayanoglu et al. | 358 | 167 | |
| | AG | 5,245,291 | 9/14/1993 | Fujimura | 324 | 617 | |
| | AH | 5,291,499 | 3/1/1994 | Behrens et al. | 371 | 43 | |
| | AI | 5,465,272 | 11/7/1995 | Smith | 375 | 295 | |
| | AJ | 5,481,564 | 1/2/1996 | Kakuishi et al. | 375 | 230 | |
| | AK | 5,502,735 | 3/26/1996 | Cooper | 371 | 43 | |

Foreign Patent Documents

| | | | | | | | Translation | |
|--|----|------------|-----------|---------|-------|----------|-------------|----|
| | | Document | Date | Country | Class | Subclass | Yes | No |
| | AL | 2-215236 | 8/28/1990 | Japan | 7 | 005 | | X |
| | AM | 0410399 A2 | 1/30/1991 | Europe | H04N | 5/44 | X | |
| | AN | 6-334692 | 12/2/1994 | Japan | H04L | 25/08 | X | |
| | AO | 08172366A | 7/2/1996 | Japan | H03M | 13/12 | X | |
| | AP | 8-116275 | 5/7/1996 | Japan | H03M | 13/12 | X | |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AQ | Lee, E.A. et al., "Digital Communications" (1988), pp. 34-42. |
| AR | Lee, E.A. et al., "Digital Communications" (1988), pp. 319-345. |
| AS | Sklar, B., "Digital Communications, Fundamentals and Applications" (1988), pp. 333-337. |

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

| | | |
|--|-----------------|-------------------------------------|
| U.S. Department of Commerce, Patent and Trademark Office | Atty Docket No. | Serial No. |
| | M-5628 US | 09/560,109 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Applicant(s) |
| (Use several sheets if necessary) | | Raghavan, Sreen; Sallaway, Peter J. |
| | Filing Date | Group |
| | April 28, 2000 | 2734 |

U.S. Patent Documents

| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|----|-----------------|------------|------------------|-------|----------|----------------------------|
| | AA | 5,602,507 | 2/11/1997 | Suzuki | 329 | 304 | |
| | AB | 5,617,450 | 3/1/1997 | Kakuishi et al. | 375 | 230 | |
| | AC | 5,638,065 | 6/10/1997 | Hassner et al. | 341 | 59 | |
| | AD | 5,654,667 | 8/5/1997 | Adachi | 329 | 306 | |
| | AE | 5,809,079 | 9/15/1998 | Hayashi | 375 | 262 | |
| | AF | 5,818,378 | 10/6/1998 | Cheng et al. | 341 | 155 | |
| | AG | 5,841,478 | 11/24/1998 | Hu et al. | 348 | 426 | |
| | AH | 5,841,484 | 11/24/1998 | Hulyalkar et al. | 348 | 607 | |
| | AI | 5,859,861 | 1/12/1999 | Oh | 371 | 43.7 | |
| | AJ | 5,872,668 | 2/16/1999 | Muto | 360 | 65 | |
| | AK | 5,895,479 | 4/20/1999 | Suganuma | 708 | 301 | |

Foreign Patent Documents

| | | | | | | | Translation | |
|--|----|------------|-----------|---------|-------|----------|-------------|----|
| | | Document | Date | Country | Class | Subclass | Yes | No |
| | AL | DE19626076 | 1/2/1997 | Germany | H03M | 13/12 | | X |
| | AM | WO97/11544 | 3/27/1997 | PCT | H04L | 25/03 | X | |
| | AN | 9-148944 | 6/6/1997 | Japan | H03M | 13/12 | X | |
| | AO | 9-153845 | 6/10/1997 | Japan | H04B | 3/04 | X | |
| | AP | | | | | | | |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | AQ | Oppenheim, A.V. et al., "Discrete-Time Signal Processing" (1989), pp. 149-191. |
| | AR | ANSI, Fibre Distributed Data Interface-Part: Token Ring Twisted Pair Physical Layer Medium Dependent (March 1995), pp. 1-81. |
| | AS | IEEE, Standard 802.3u (1995), pp. 1-393. |

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

| | | | | | | | | |
|--|----|--|-----------------|-------------------|-------------------------------------|----------|----------------------------|----|
| U.S. Department of Commerce, Patent and Trademark Office | | | | | Atty Docket No. | | Serial No. | |
| | | | | | M-5628 US | | 09/560,109 | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | Applicant(s) | | | |
| (Use several sheets if necessary) | | | | | Raghavan, Sreen; Sallaway, Peter J. | | | |
| | | | | | Filing Date | | Group | |
| | | | | | April 28, 2000 | | 2734 | |
| U.S. Patent Documents | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| | AA | 5,909,384 | 6/1/1999 | Tal et al. | 364 | 724.19 | | |
| | AB | 5,940,442 | 8/17/1999 | Wong et al. | 375 | 232 | | |
| | AC | 5,949,819 | 9/7/1999 | Bjarnason et al. | 375 | 222 | | |
| | AD | 5,960,011 | 9/28/1999 | Oh | 371 | 46 | | |
| | AE | 5,982,818 | 11/9/1999 | Krueger et al. | 375 | 265 | | |
| | AF | 5,986,831 | 11/16/1999 | Muto | 360 | 46 | | |
| | AG | 6,035,007 | 3/7/2000 | Khayrallah et al. | 375 | 341 | | |
| | AH | 6,038,269 | 3/14/2000 | Raghavan | 375 | 340 | | |
| | AI | 6,047,022 | 4/4/2000 | Reuven | 375 | 222 | | |
| | AJ | 6,115,418 | 9/5/2000 | Raghavan | 375 | 233 | | |
| | AK | 6,148,046 | 11/14/2000 | Hussein et al. | 375 | 345 | | |
| Foreign Patent Documents | | | | | | | | |
| | | | | | | | Translation | |
| | | Document | Date | Country | Class | Subclass | Yes | No |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| | AQ | IEEE, Draft P802.3ab/D1.1 (1997), pp. 1-125. | | | | | | |
| | AR | | | | | | | |
| | AS | | | | | | | |
| Examiner | | | Date Considered | | | | | |
| <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p> | | | | | | | | |